

Abstract

[0056] A control system for an automotive vehicle having a vehicle body includes a sensor cluster having a housing oriented within the vehicle body. A roll rate sensor is positioned within the housing and generates a roll rate sensor signal corresponding to a roll angular motion of the sensor housing. A controller receives the roll rate sensor signal and generates a reference roll angle. The controller also compares the reference roll angle to the roll rate sensor signal and generates a roll rate sensor fault signal in response a fault determined in said roll rate sensor.